Data &Variable Codebook:

Policy-Specific Expertise and the Importance of Organizational Leadership in Shared Administrative Governance: Evidence from U.S. Federal Cooperative Agreements

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Variable Name: Description

1. **cfda_prog_num:** government issued program identifier. Source: Federal Assistance Award Data System (FAADS) data gathered from (accessed on 11/30/2016): https://www.archives.gov/research/electronic-records/reference-report/federal-contracts.html

2. **sai_num:** state application identifier number, denotes if the program being reported is not subject to state review. Source: Federal Assistance Award Data System (FAADS) data gathered from (accessed on 11/30/2016): https://www.archives.gov/research/electronic-records/reference-report/federal-contracts.html

3. **recip_name**: name of the recipient of the grant. If won by multiple recipients, this field will say, "Multiple Recipients." Source: Federal Assistance Award Data System (FAADS) data gathered from (accessed on 11/30/2016): https://www.archives.gov/research/electronic-records/reference-report/federal-contracts.html

4. **recip_city_code**: five-digit FIPS city code.

5. **recip_city_name**: name of the city where the grant recipient is located.

6. **recip_county_code**: FIPS code for the county

7. **recip_county_name**: the name of the county of the recipient.

8. **recip_state_code**: the code for the state of the recipient.

9. **recip_state_name**: the name of the state of the recipient.

10. **Project_desc**: description of grant project.

11. **Type_of_recip**: two-digit code for the type of recipient

    a. 00 = state government
    b. 01 = county government
    c. 02 = city or township government
    d. 04 = special district government
    e. 05 = independent school district
    f. 06 = state controlled institution of higher education
    g. 11 = Indian tribe
    h. 12 = other nonprofit
    i. 20 = private higher education
    j. 21 = individual
    k. 22 = profit organization
    l. 23 = small business
    m. 25 = all other

12. **type_of_action**: description of the grant action for each record
    a. A = new assistance
    b. B = continuation of previous award
    c. C = revision
    d. D = funding adjustment to completed project

13. **recip_cong_dis**: the congressional district associated with the recipient

14. **fed_agency_unit**: FIPS code identifying the agency or bureau associated with the award

15. **fed_award_id_core**: 20-digit code identifying the awards. The first 16 digits are the core number, and the final four indicate the modification number.

16. **fed_fund_amount**: dollar amount of the award provided by the federal government.

17. **non_fed_fund_amount**: all reported non-federal funding.

18. **total_funding_amount**: total amount of grant

19. **action_date**: date of the grant action

20. **start_date**: overall start date of the grant

21. **end_date**: overall end date of the grant

22. **type_of_grant**: type of assistance

a. 02 = block grant
b. 03 = formula grant
c. 04 = project grant
d. 05 = cooperative agreement
e. 06 = direct payment for specified use
f. 07 = direct loan
g. 08 = guaranteed/insured loan
h. 09 = insurance
i. 10 = direct payment with unrestricted use
j. 11 = other assistance

23. **Recip_type** = type of entity receiving the funds

24. **pop_code**: place of performance code

25. **pop_state**: place of performance state

26. **cfda_prog_title**: program name

27. **federal_agency**: name of the agency associated with the award

28. **recip_state_name**: full name of the state of the recipient

29. **prog_id**: identification number for the program associated with the award

30. **agency_id**: id code for the agency

31. **agency**: Krause/O'Connell agency code

32. **subagency**: Krause/O'Connell agency code

33. **year**: year of the award

34. **subagency_year**: code of the subagency and the year of the award

35. **careerses**: the number of Career Senior Executive Service employees were present in an agency for a given year. Sources: 1988 – 2004: The Politics of Presidential Appointments; Lewis, D. E.; 2008, Princeton, NJ : Princeton University Press. https://my.vanderbilt.edu/davidlewis/data/; 2005 – 2008: OPM data provided by Matthew Dull.

36. **noncareerses**: the number of Noncareer Senior Executive Service employees present in an agency for a given year. Sources: Lewis (2008), and FedScope, accessed on January 27, 2017 (www.fedscope.opm.gov).

37. **pas**: the number of political appointees in a given agency and year. Sources: 1988 – 2004: The Politics of Presidential Appointments; Lewis, D. E.; 2008, Princeton, NJ : Princeton University Press. https://my.vanderbilt.edu/davidlewis/data/; 2005 – 2008: OPM data provided by Matthew Dull.

38. **schc**: the number of Schedule C appointees in a given agency and year. Sources: 1988 – 2004: The Politics of Presidential Appointments; Lewis, D. E.; 2008, Princeton, NJ : Princeton University Press. https://my.vanderbilt.edu/davidlewis/data/; 2005 – 2008: OPM data provided by Matthew Dull.

39. **admin**: the number of administrative employees in a given agency and year. Sources: 1988 – 2004: The Politics of Presidential Appointments; Lewis, D. E.; 2008, Princeton, NJ : Princeton University Press. https://my.vanderbilt.edu/davidlewis/data/; 2005 – 2008: OPM data provided by Matthew Dull.

40. **prof**: the number of professional employees in a given agency and year. Sources: 1988 – 2004: The Politics of Presidential Appointments; Lewis, D. E.; 2008, Princeton, NJ : Princeton University Press. https://my.vanderbilt.edu/davidlewis/data/; 2005 – 2008: OPM data provided by Matthew Dull.

41. **tech**: the number of technical employees in a given agency and year. Sources: 1988 – 2004: The Politics of Presidential Appointments; Lewis, D. E.; 2008, Princeton, NJ : Princeton University Press. https://my.vanderbilt.edu/davidlewis/data/; 2005 – 2008: OPM data provided by Matthew Dull.

42. **cler**: the number of clerical employees in a given agency and year. Sources: 1988 – 2004: The Politics of Presidential Appointments; Lewis, D. E.; 2008, Princeton, NJ : Princeton University Press. https://my.vanderbilt.edu/davidlewis/data/; 2005 – 2008: OPM data provided by Matthew Dull.

43. **totalemp**: the total number of employees in a given agency and year. Sources: 1988 – 2004: The Politics of Presidential Appointments; Lewis, D. E.; 2008, Princeton, NJ : Princeton University Press. https://my.vanderbilt.edu/davidlewis/data/; 2005 – 2008: OPM data provided by Matthew Dull.

44. **agency_name**: full name of the agency

45. **Selin_est_1**: estimate of the independence of decision makers in a given agency or bureau.

Source: Jennifer Selin, from: **"What Makes an Agency Independent?"** *American Journal of Political Science* **59(4):971-987 (2015).**
http://publish.illinois.edu/jselin/data/
Accessed: 1/19/2017

46. **Stddev1**: standard deviation of the estimate for Dimension 1. Source: Selin.

47. **D1_2.5%_CI**: Standard deviation of the Dimension 1 estimate multiplied by 1.96 and then subtracted from the estimate to determine the 2.5% confidence interval. Source: Selin.

48. **D1_97.5%_CI**: Standard deviation of the Dimension 1 estimate multiplied by 1.96 and then added to the estimate to determine the 97.5% confidence interval. Source: Selin.

49. **D1_insulation**: 1 if the both confidence intervals are positive, 0 if one interval is positive and one is negative, and -1 if both are negative.

50. **Selin_est_2**: estimate of the independence of policy decisions. Source: Selin.

51. **Stddev2**: standard deviation of the estimate for Dimension 2. Source: Selin.

52. **D2_2.5%_CI**: Standard deviation of the Dimension 2 estimate multiplied by 1.96 and then subtracted from the estimate to determine the 2.5% confidence interval. Source: Selin.

53. **D2_97.5%_CI**: Standard deviation of the Dimension 2 estimate multiplied by 1.96 and then added to the estimate to determine the 97.5% confidence interval. Source: Selin.

54. **D2_insulation**: 1 if the both confidence intervals are positive, 0 if one interval is positive and one is negative, and -1 if both are negative.

55. **Weighted_selin2** = weighted average for three agencies that have an initial and updated second dimension Selin score. The three agencies are the Consumer Product Safety Commission, the Department of Energy, and the Department of Labor.

56. **clinton_lewis_mean:** the average scored opinion provided by the experts polled by Clinton and Lewis. Source: Clinton, J.D. and Lewis, D.E., 2008. Expert opinion, agency characteristics, and agency preferences. *Political Analysis*, pp.3-20. Data accessed from: https://my.vanderbilt.edu/davidlewis/data/, on 1/24/2017.

57. **StndDev**: standard deviation for each mean.

58. **lower_ci**: lower 2.5% limit value of Bayesian credibility interval.

59. **upper_ci**: upper 97.5% limit value of Bayesian credibility interval.

60. **liberal:** 1 if liberal, zero for all else.

61. **moderate:** 1 if moderate, zero for all else.

62. **conservative:** 1 if conservative, zero for all else.

63. **ideology:** -1 equals liberal, 0 equals moderate, 1 equals conservative. -1 if the confidence intervals are both negative, 0 if the confidence intervals straddle zero, and 1 if they are both above zero.

64. **action_date2**: action date, formatted

65. **quarter**: the quarter in a particular year (1 – 4) of the action date of the grant outlay. Source: FAADS

66. **yearquarter**: the year and quarter associated with each grant outlay. Source: FAADS.

67. **subagency_time**: combination of the **subagency** variable, with the **yearquarter** variable

68. **year_qtr**: year/quarter variable in the Krause/O'Connell data.

69. **obsident**: observation identifier for Krause-O'Connell records.

70. **indident**: individual identifier for Krause-O'Connell records.

71. **position**: current position level of job:
    a. 1 = Secretary (Attorney General)
    b. 2 = Administrator/Director (of full stand-alone agency)
    c. 3 = Administrator/Director (of part of agency or sub-agency)
    d. 4 = Commissioner
    e. 5 = Board Member
    f. 6 = Deputy Secretary (Deputy Attorney General) or General Under Secretary
    g. 7 = Under Secretary (not General Under Secretary)
    h. 8 = Assistant Secretary (Assistant Attorney General)
    i. 9 = Deputy Administrator/Deputy Director
    j. 10 = Military Branch Secretary
    k. 11 = Undersecretary and Director/Administrator (of part of agency or sub-agency)

l. 12 = Assistant Secretary and Director/Administrator (of part of agency or sub-agency)
m. 13 = Chairman
n. 19=Other

72. **agency3**: main department/agency:

a. 1 = Department of Agriculture
b. 2 = Department of Commerce
c. 3 = Department of Defense
d. 7 = Department of Education
e. 8 = Department of Energy
f. 9 = Department of Health and Human Services
g. 11 = Department of Homeland Security
h. 12 = Department of Housing and Urban Development
i. 13 = Department of the Interior
j. 14 = Department of Justice
k. 15 = Department of Labor
l. 16 = Department of State
m. 17 = Department of Transportation
n. 18 = Department of the Treasury
o. 19 = Department of Veterans Affairs/Veterans Affairs Administration
p. 20 = Central Intelligence Agency
q. 21 = Environmental Protection Agency
r. 22 = Federal Emergency Management Agency (as a freestanding agency, before 2003)
s. 23 = General Services Administration
t. 24 = National Aeronautics and Space Administration
u. 25 = Small Business Administration
v. 26 = Social Security Administration
w. 27 = U.S. Agency for International Development
x. 28 = United States Information Agency/Broadcasting Board of Governors
y. 29 = Office of Management and Budget
z. 30 = Office of the U.S. Trade Representative
aa. 32 = Civil Aeronautics Board
bb. 33 = Consumer Product Safety Commission
cc. 34 = Equal Employment Opportunity Commission
dd. 35 = Federal Communications Commission
ee. 37 = Federal Election Commission
ff. 38 = Federal Energy Regulatory Commission
gg. 40 = Federal Reserve System
hh. 41 = Federal Trade Commission
ii. 42 = Interstate Commerce Commission
jj. 43 = National Labor Relations Board
kk. 44 = National Transportation Safety Board
ll. 45 = Nuclear Regulatory Commission (formerly the Atomic Energy Commission)
mm. 49 = Securities and Exchange Commission

73. **sbagency**: Sub-agency (or agency) where appointee served. If there is no sub-department or sub-agency, this variable should be identical to Department/Agency. Thus, all entries for SEC should be coded 49 here as well.

    a. 4 = Department of the Army
    b. 5 = Department of the Air Force
    c. 6 = Department of the Navy
    d. 50 = Census, part of Department of Commerce
    e. 51 = Center for Medicaid and Medicare Services, part of Department of Health and Human Services
    f. 52 = Drug Enforcement Administration, part of Department of Justice
    g. 53 = Federal Aviation Administration, part of Department of Transportation
    h. 54 = Food and Drug Administration, part of Department of Health and Human Services
    i. 55 = Federal Emergency Management Agency, part of Department of Homeland Security (2003 and later)
    j. 56 = Internal Revenue Service, part of Department of Treasury
    k. 57 = National Highway Transportation and Safety Administration, part of Department of Transportation
    l. 58 = National Institutes of Health, part of Department of Health and Human Services
    m. 59 = National Institute of Standards and Technology, part of Department of Commerce
    n. 60 = National Oceanic and Atmospheric Administration, part of Department of Commerce
    o. 61 = Patent and Trademark Office, part of Department of Commerce

74. **OPM Number**: Position number provided to job by OPM, modified to make one position for all members (non-chairpersons) of an IRC and to combine different titles of the same position in executive agencies

    a. DAEX00001 = Secretary of Agriculture
    b. DAEX00002 = Deputy/Under Secretary of Agriculture
    c. DAEX00021 = Under Secretary for Food, Nutrition, and Consumer Services
    d. DAEX00026 = Under Secretary for Food Safety
    e. DCEX00001 = Secretary of Commerce
    f. DCEX00002= Deputy/Under Secretary of Commerce
    g. DCEX00033 = Under Secretary for Export Administration; Under Secretary for Industry and Security
    h. DCEX00030 = Assistant Secretary for Trade Development/Trade Promotion; Assistant Secretary for Manufacturing and Services
    i. DCEX00018 = Director of National Institute of Standard and Technology
    j. DCEX00012 = Director of Census
    k. DCEX00014 = Under Secretary for Oceans and Administrator of NOAA
    l. DCEX00017 = Under Secretary for IP and Director of PTO/Commissioner of Patents and Trademarks
    m. DDEX00291 = Secretary of Defense
    n. DDEX00219 = Deputy/Under Secretary of Defense
    o. DWEX00001 = Secretary of the Army

p. DFEX00170 = Secretary of the Air Force
q. DNEX00001 = Secretary of the Navy
r. DDEX00862 = Under Secretary for Acquisition, Technology and Logistics
s. DDEX00201 = Director, Defense Research and Engineering
t. DDEX00628= Assistant Secretary for Command, Control, Communications, and Intelligence
u. DDEX01014 = Under Secretary of Defense/Comptroller
v. DBEX00001 = Secretary of Education
w. DBEX00002 = Deputy/Under Secretary of Education
x. DBEX00003 = Assistant Secretary for Elementary and Secondary Education
y. DBEX00004 = Assistant Secretary for Post-Secondary Education
z. DBEX00005 = Assistant Secretary for Vocational and Adult Education
aa. DBEX00006 = Assistant Secretary for Special Education and Rehabilitative Services
bb. DBEX00009 = Assistant Secretary for Educational Research and Improvement
cc. DEEX00001 = Secretary of Energy
dd. DEEX00002 = Deputy/Under Secretary of Energy
ee. DEEX00033 = Assistant Secretary for Environmental Management; Assistant Secretary for Management
ff. DHEX00001 = Secretary of Health and Human Services
gg. DHEX00024 = Deputy/Undersecretary of Health and Human Services
hh. DHEX00022 = Commissioner of the Food and Drug Administration
ii. DHEX00011 = Director of NIH
jj. DHEX00020= Administrator of Health Care Financing Administration/Center for Medicare and Medicaid Services
kk. DHEX00025 = Assistant Secretary for Children and Families
ll. DMEX00001 = Secretary of Homeland Security
mm. DMEX09001 = Deputy/Under Secretary of Homeland Security
nn. EMEX00001 = Administrator of FEMA
oo. DUEX00003 = Secretary of Housing and Urban Development
pp. DUEX00004 = Deputy/Under Secretary of Housing and Urban Development
qq. DUEX00007 = Assistant Secretary for Housing and Federal Housing Commissioner
rr. DIEX00001 = Secretary of the Interior
ss. DIEX00003 = Deputy/Under Secretary of the Interior
tt. DJEX01000 = Attorney General
uu. DJEX01001 = Deputy Attorney General
vv. DJEX01003 = Solicitor General
ww. DJEX01012 = Assistant Attorney General for Antitrust
xx. DJEX01022 = Administrator of DEA
yy. DLEX00001 = Secretary of Labor
zz. DLEX00002 = Deputy/Under Secretary of Labor
aaa. DLEX00009 = Assistant Secretary for Occupational Safety and Health
bbb. DLEX00016 = Assistant Secretary for Pension and Welfare Benefits
ccc. DLEX00006 = Assistant Secretary for Employment and Training
ddd. DSEX00024 = Secretary of State

eee. DSEX00005 = Deputy/Under Secretary of State
fff. DSEX00013 = Under Secretary for Political Affairs
ggg. DSEX00065 = Under Secretary for Arms Control and International Security Affairs
hhh. DTEX00001 = Secretary of Transportation
iii. DTEX00002 = Deputy/Under Secretary of Transportation
jjj. DTEX05001 = Administrator of NHTSA
kkk. DTEX02001 = Administrator of FAA
lll. DYEX00001 = Secretary of the Treasury
mmm. DYEX00002 = Deputy/Under Secretary of the Treasury
nnn. DYEX00014 = Commissioner of IRS
ooo. DYEX00010 = Assistant Secretary for Economic Policy
ppp. DYEX00008 = Assistant Secretary for Tax Policy
qqq. DYEX00022 = Assistant Secretary for Financial Markets
rrr. DYEX00011 = Assistant Secretary for Financial Institutions
sss. DVEX00001 = Secretary of Veterans Affairs
ttt. DVEX00002 = Deputy/Under Secretary of Veterans Affairs
uuu. DVEX00001 = Administrator of the Veterans Administration (before 1989)
vvv. DVEX00002 = Deputy Administrator of the Veterans Administration (before 1989)
www. CIEX00002 = Director of Central Intelligence Agency
xxx. CIEX00001 = Deputy Director of Central Intelligence Agency
yyy. EPEX00001 = Administrator of Environmental Protection Agency
zzz. EPEX00002 = Deputy Administrator of Environmental Protection Agency
aaaa. GSEX00001 = Administrator of General Services Administration
bbbb. NNEX00001 = Administrator of the National Air and Space Administration
cccc. NNEX00002 = Deputy Administrator of National Aeronautics and Space Administration
dddd. SBEX00001 = Administrator of Small Business Administration
eeee. SBEX00004 = Deputy Administrator of Small Business Administration
ffff. SZEX00001 = Commissioner of Social Security Administration
gggg. SZEX00003 = Deputy Commissioner of Social Security Administration
hhhh. IMEX00004 = Administrator of the U.S. Agency for International Development (USAID)
iiii. IMEX00008 = Deputy Administrator of US Agency for International Development
jjjj. IBEX00001 = Director of United States Information Agency; Director of Broadcasting Board of Governors
kkkk. BOEX00001 = Director of the Office of Management and Budget
llll. TNEX03002 = U.S. Trade Representative
mmmm. CAEX00002x = Member of Civil Aeronautics Board
nnnn. PSEX00002x = Commissioner of Consumer Product Safety Commission
oooo. PSEX00001 = Chairman of Consumer Product Safety Commission
pppp. EEEX00002x = Member of Equal Employment Opportunity Commission
qqqq. FCEX00002x = Commissioner of Federal Communications Commission

rrrr. FEEX00002x = Commissioner of Federal Election Commission
ssss. DREX00002x = Member of Federal Energy Regulatory Commission
tttt. RFEX00001 = Chairman of Federal Reserve
uuuu. RFEX00007 = Governor of Federal Reserve
vvvv. FTEX00002x = Commissioner of Federal Trade Commission
wwww. ICEX00002x = Commissioner of Interstate Commerce Commission
xxxx. NLEX00002x = Member of National Labor Relations Board
yyyy. TBEX00003x = Member of National Transportation Safety Board
zzzz. NUEX00002x = Commissioner of Nuclear Regulatory Commission
aaaaa. SEEX00002x = Commissioner of Securities and Exchange Commission

75. **Last name**: Last name of appointee. No transformation needed.
76. **Birth/Maiden name:** Maiden name of appointee. No transformation needed. List if available and only if different.
77. **First/Middle name**: First/middle names of appointee. No transformation needed.
78. **party**: party of appointed bureaucratic leader
79. **pres:** Appointing President
    a. 1 = Carter
    b. 2 = Reagan
    c. 3 = G.H.W. Bush (Bush, 41)
    d. 4 = Clinton
    e. 5 = G.W. Bush (Bush, 43)
    f. If unknown, leave blank

80. **Chairman (Presidential Choice):** Role as designated chairman during term
    a. 0 = if neither appointed nor designated chairman by President during appointed term
    b. 1 = if either appointed or designated chairman by President at some point during appointed term
    c. If unknown, leave blank
81. **Chairmanship (start date):** Beginning of term as chairman
    a. Specify date of beginning of term as acting/appointed chairman of commission as mm/dd/yyyy.
    b. If unknown, leave blank.

    Note: Chair dates modified to match a specific date based on the raw IRC database for the following records: 135, 136, 141, 141, 156, 157.
82. **Chairmanship (end date):** End of term as chairman
    a. Specify date of end of term as acting/appointed chairman of commission as mm/dd/yyyy.
    b. If unknown, leave blank
83. **Chairmanship (start month):**
    a. Specify month for start of term as acting/appointed chairman of commission.

b. If unknown, leave blank

84. **Chairmanship (start year):**
    a. Specify year for start of term as acting/appointed chairman of commission.
    b. If unknown, leave blank
85. **Chairmanship (end month):**
    a. Specify month for end of term as acting/appointed chairman of commission.
    b. If unknown, leave blank
86. **Chairmanship (end year):**
    a. Specify year for end of term as acting/appointed chairman of commission.
    b. If unknown, leave blank
87. **Confirmed:** Confirmation date
    a. Specify date of confirmation as mm/dd/yyyy
    b. If unknown, leave blank
88. **Start:** Start date
    a. Specify date of beginning of service in confirmed post as mm/dd/yyyy
    b. If unknown, leave blank
89. **End:** End date
    a. Specify date of end of service in confirmed post as mm/dd/yyyy. Note: For holdover appointees, either the presidential inauguration date for executive branch appointees, or scheduled end of term date (i.e., variable **Error! Reference source not found.**) for IRC appointees.
    b. If still serving, list as 9999
    c. If unknown, leave blank
90. **End (Final):** Final End Date of Service
    a. Specify final end date of service in specific position as mm/dd/yyyy. The value for this variable is identical to the value appearing in variable 89, except for appointee holdovers who stay at least 193 days beyond their "scheduled end of term" end date. For such holdovers, this variable takes the value for the end of the holdover period for both the original appointment and the holdover appointment. In other words, the values for this variable and variable 89 will differ only in the row directly above/preceding the holdover row (see variable **Error! Reference source not found.**) for a given appointee.
    b. If unknown, leave blank
    c. If still serving as of 01/20/2009, code as 9999 for executive branch appointees, unless you know the end date from OPM data or other sources.
91. **End (Total): Final Date of Service** (for *all* contiguous appointments in a for a particular position in a given agency)

a. Specify the latest final end date of service (variable 90) for an appointee in a given position, over all contiguous service in that position. If there is only one row for that appointee, this date is identical to the date in variable 90 for that row. If there are multiple rows for the appointee in that position, this date is the latest one. Thus, all rows for the appointee will have the same date for this variable.

b. Code as 9999 if still serving in office

92. **schedend**: the time scheduled for a given appointment to end.

93. **prespty**: indicator if the nominee is also a member of the prsident's party.

94. **irc**: dummy variable indicating if the agency is an independent regulatory commission.

95. **exec:** indicator if the appointee is part of an executive agency.

96. **agency2:** agency code

97. **subagency2:** subagency code

98. **agencyposition2:** position code.

99. **loyalmedian:** Bayesian Posterior Median Estimate of *Loyalty* latent trait.

100. **loyalsd:** Bayesian Posterior Standard Deviation Estimate of *Loyalty* latent trait.

101. **loyal25lcl:** Bayesian Posterior 2.5 Percentile Estimate of *Loyalty* latent trait.

102. **loyal975ucl:** Bayesian Posterior 97.5 Percentile Estimate of *Loyalty* latent trait.

103. **mecompmedian:** Bayesian Posterior Median Estimate of *Managerial Competence* latent trait.

104. **mecompsd:** Bayesian Posterior Standard Deviation Estimate of *Managerial Competence* latent trait.

105. **mecomp25lcl:** Bayesian Posterior 2.5 Percentile Estimate of *Managerial Competence* latent trait.

106. **mecomp975ucl:** Bayesian Posterior 97.5 Percentile Estimate of *Managerial Competence* latent trait.

107. **pecompmedian:** Bayesian Posterior Median Estimate of *Policy Competence* latent trait.

108. **pecompsd:** Bayesian Posterior Standard Deviation Estimate of *Policy Competence* latent trait.

109. **pecomp25lcl:** Bayesian Posterior 2.5 Percentile Estimate of *Policy Competence* latent trait.

110. **pecomp975ucl:** Bayesian Posterior 97.5 Percentile Estimate of *Policy Competence* latent trait.

111. **zloyalmedian:** Normalized (Z-score formulation) Bayesian Posterior Median Estimate of Loyalty latent trait.

112. **zmecompmedian:** Normalized (Z-score formulation) Bayesian Posterior Median Estimate of Managerial Competence latent trait.

113. **zpecompmedian:** Normalized (Z-score formulation) Bayesian Posterior Median Estimate of Policy Competence latent trait.

114. **stddiffloyalmecomp:** (Z^*_M): Normalized Difference Between Bayesian Posterior Median Estimate of Loyalty and Managerial Competence latent traits.

115. **stddiffloyalpecomp:** (Z^*_P): Normalized Difference Between Bayesian Posterior Median Estimate of Loyalty and Policy Competence latent traits.

116. **stddiffmecomppecomp**: (Z^*_C): Normalized Difference Between Bayesian Posterior Median Estimate of Policy Competence and Managerial Competence latent traits.

117. **subagency2:** subagency code.

118. **unit_leader:** indicator if the appointee is a leader of an office.

119. **agency_leader:** indicator if the appointee is the leader of their agency.

120. **st_quarter:** the quarter that the appointee started in their position.

121. **st_year_qtr**: the year and quarter that an appointee started.

122. **end_quarter:** the quarter that an appointee ended their term.

123. **end_year:** the year that an appointee ended their term.

124. **start_year_qtr:** the year and quarter that an appointee started their term.

125. **end_year_qtr:** the year and quarter than an appointee end their term.

126. **subagency_yearqtr_start:** the subagency and start time of the appointee.

127. **subagency_yearqtr_end:** the subagency and end time of the appointee.

128. title: the title of the appointee.

129. **leadership_team:** indicator if the appointee is a member of the agency leadership team. Excludes directors and commissioners.

130. **leader_either:** indicator if the appointee is a leader of an agency, subagency, or unit.

131. **zloyalty_leader1:** the normalized loyalty z-score of the overall agency leader. This is matched to the appropriate year and quarters based on when they started and ended their appointment. In cases where two leaders served during the same quarter, whichever served for the majority of the time during that three months is matched for that quarter.

132. **zloyalty_2:** the normalized loyalty z-score of the overall agency leader, the subagency leader, or the unit leader. This is matched to the appropriate year and quarters based on when they started and ended their appointment. In cases where two leaders served during the same quarter, whichever served for the majority of the time during that three months is matched for that quarter.

133. **zloyalty_3:** the average loyalty z-score for the leadership team of the overall agency. This is matched to the appropriate year and quarters based on when they started and ended their appointment. In cases where two leaders served during the same quarter, whichever served for the majority of the time during that three months is matched for that quarter.

134. **zloyalty_4:** the average loyalty z-score of the leadership team for the overall agency, overall subagency, or overall unit. This is matched to the appropriate year and quarters based on when they started and ended their appointment. In cases where two leaders served during the same quarter, whichever served for the majority of the time during that three months is matched for that quarter.

135. **Subagency_units**: the subagency code for the agency, subagency, or unit.

136. **Zmanage1**: normalized managerial competence z-score of the overall agency leader. This is matched to the appropriate year and quarters based on when they started and ended their appointment. In cases where two leaders served during the same quarter, whichever served for the majority of the time during that three months is matched for that quarter.

137. **Zmanager2**: the normalized managerial competence z-score of the overall agency leader, subagency leader, or unit leader. This is matched to the appropriate year and quarters based on when they started and ended their appointment. In cases where two leaders served during the same quarter, whichever served for the majority of the time during that three months is matched for that quarter.

138. **Zmanage3**: the average normalized managerial competence z-score for the leadership team of the overall agency. This is matched to the appropriate year and quarters based on when they started and ended their appointment. In cases where two leaders served during the same quarter, whichever served for the majority of the time during that three months is matched for that quarter.

139. **Zmanage4**: the average normalized managerial competence z-score for leadership team of the overall agency, overall subagency, or overall unit. This is matched to the appropriate year and quarters based on when they started and ended their appointment. In cases where two leaders served during the same quarter, whichever served for the majority of the time during that three months is matched for that quarter.

140. **Zpolicy1**: the normalized policy competence z-score of the overall agency leader. This is matched to the appropriate year and quarters based on when they started and ended their appointment. In cases where two leaders served during the same quarter, whichever served for the majority of the time during that three months is matched for that quarter.

141. **Zpolicy2**: the normalized policy competence z-score of the overall agency leader, the subagency leader, or the unit leader. This is matched to the appropriate year and quarters based on when they started and ended their appointment. In cases where two leaders served during the same quarter, whichever served for the majority of the time during that three months is matched for that quarter.

142. **Zpolicy3**: the average normalized policy competence z-score of the leadership team of the overall agency. This is matched to the appropriate year and quarters based on when they started and ended their appointment. In cases where two leaders served during the same quarter, whichever served for the majority of the time during that three months is matched for that quarter.

143. **Zpolicy4:** the average normalized policy competence z-score for the leadership team of the overall agency, the overall subagency, or overall unit. This is matched to the appropriate year and quarters based on when they started and ended their appointment. In cases where two leaders served during the same quarter, whichever served for the majority of the time during that three months is matched for that quarter.

144. **Congress**: the session of Congress associated with a given year

145. **grantstart_yr** = the year according to the start date of the grant (**start_date**)

146. **grantstart_mo** = the month of the start date of the grant (**start_date**).

147. **grantstart_yrfisc** = the fiscal year according to the start date of the grant

148. **grantstart_qtr** = the quarter according to the start month of the grant.

149. **grantstart_yrq** = the combined start year and quarter of the grant. Format: 19941 indicates that a grant started in the first quarter of 1994.

150. **grantstart_prev** = indicates if a grant started in a previous administration relative to when the rescission action occurs.

151. **action_quarterid** = identifier starting with 1 for each quarter for actions in our dataset, starting with 19841.

152. **grantstart_qtrid** = identifier for each year in our dataset for when grants began, going back to 1952.

153. **grant_action_id** = identifier for each year in our dataset, beginning at 129, because 128 quarters occur between the earliest start date in our dataset (19521) and the first action date (19841).

154. **grant_age_qtrs** = (**grant_action_id** – **grantstart_qtrid**)+1. The 1 is added to the age because 44.3% of the sample had rescissions occur in the same quarter that the grant started.

155. **ln_grantage** = natural log of the grant age in quarters

156. **second_term** = indicator if the action on a grant took place during the second term of an administration.

157. **agency_packing**: see Berry and Gersen (2017), a measure of politicization calculated by adding the number of PAS, Noncareer SES, and Schedule C employees, and dividing by the number of Career SES managers in a given agency. Sources: Lewis (2008), and FedScope, accessed on January 27, 2017 (www.fedscope.opm.gov). Available from 1988 – 2008.

158. **Selin_2abszero_weighted**: Selin's weighted second measure of insulation from political review, set with the lowest value as zero.

159. **Unified**: indicator for whether a given year is under unified government.

160. **Zloyalty2_abszero**: **zloyalty2** measure set with the lowest value at zero, so all other values are positive.

161. **Zmanage2**_abszero: **zmanage2** measure set with the lowest value at zero, so all other values are positive.

162. **Zpolicy2_abszero**: **zpolicy2** measure set with the lowest value at zero, so all other values are positive.

163. **Zloyalty1_abszero**: **zloyalty1** measure set with the lowest value at zero, so all other values are positive.

164. **Zmanage1_abszero**: **zmanage1** measure set with the lowest value at zero, so all other values are positive.

165. **Zpolicy1_abszero**: **zpolicy1** measure set with the lowest value at zero, so all other values are positive.

166. **Zloyalty2_selin2abs: zloyalty2 absolute zero measure** interacted with **weighted Selin's absolute value second measure.**

167. **Zmanage2_selin2abs**: **zmanage2 absolute zero measure** interacted with **weighted Selin's absolute value second measure.**

168. **Zpolicy2_selin2abs**: **zpolicy2 absolute zero measure** interacted with **weighted Selin's absolute value second measure**.

169. **Zloyalty2_unified**: **zloyalty2 absolute zero measure** interacted with **unified government**

170. **Zmanage2_unified**: **zmanage2 absolute zero measure** interacted with **unified government**

171. **Zpolicy2_unified: zpolicy2 absolute zero measure** interacted with **unified government**

172. **Selinest2_unified**: **Selin's weighted absolute value second dimension measure**, interacted with **unified government**.

173. **Zloyalty2_selin2_unified**: triple interaction between **zloyalty2 absolute zero**, **Selin's weighted second measure,** and **unified government**.

174. **Zmanage2_selin2_unified**: triple interaction between **zmanage2 absolute zero**, **Selin's weighted second measure,** and **unified government.**

175. **Zpolicy2_selin2_unified**: triple interaction between **zpolicy2 absolute zero**, **Selin's weighted second measure**, and **unified government**.

176. **Zloyalty1_selin2abs**: **zloyalty1** interacted with **weighted Selin 2 measure**

177. **Zloyalty1_unified**: interaction of **zloyalty1 absolute zero measure** and **unified government**.

178. **Zpolicy1_selin2_unified**: triple interaction between **zpolicy1 absolute zero**, **Selin's weighted second measure**, and **unified government.**

179. **Missing_dummy**: indicator if the record is missing in the **loyalty2** models but not the **loyalty1** models.

180. **gdpdef**: GDP deflator value by year and quarter, set at 2009 dollars. Source: https://fred.stlouisfed.org/series/GDPDEF

181. **constant_fed_funds**: federal funding amount for grants (**fed_fund_amount**) over the GDP deflator (**gdpdef**), times 0.01.

182. **ln_fed_funding**: natural log of GDP federal funding amount (**fed_fund_amount**).

183. **Grant_prog_id**: identification number for each grant

184. **Constant_agency_grant**: adjusted overall amount of grants awarded by an agency in 2009 dollars.

185. **agency_totalgrantamtyr**: total amount that an agency awards in a year.

186. **Rev_selin**: reverse version of Selin's weighted second measure of insulation from political review, where higher measures indicate less insulation.

187. **zloyalty2_selin2rev**: interaction of **zloyalty2** and the reverse **Selin measure**

188. **zmanage2_selin2rev_unified**: triple interaction of **zmanage2**, the reverse **Selin measure**, and **unified government**

189. **zpolicy2_selin2rev_unified**: triple interaction of **zpolicy2**, the reverse **Selin measure**, and **unified government**

190. **zloyalty4_selin2rev**: interaction of **zpolicy4** and **selin2rev**

191. **selinrev_unified**: interaction of **selinrev_unified**

192. **zloyalty2_selin2rev_unified**: triple interaction of **zloyalty2**, the reverse **Selin measure**, and **unified government**

193. **zmanage2_selin2rev_unified:** triple interaction of **zmanage2**, the reverse **Selin measure**, and **unified government**

194. **zpolicy2_selin2rev_unified**: triple interaction of **zpolicy2**, the reverse **Selin measure**, and **unified government**

195. **zloyalty1_selin2rev**: interaction of **zloyalty1** and reverse **Selin measure**

196. **zloyalty1_selin2rev_unified**: triple interaction of **zloyalty1**, the reverse **Selin measure**, and **unified government**

197. **zmanage1_selin2rev**: interaction of **zmanage1** and reverse **Selin measure**

198. **zpolicy1_selin2rev**: interaction of **zpolicy1** and reverse **Selin measure**

199. **zmanage1_selin2rev_unified**: triple interaction of **zmanage1**, the reverse **Selin measure**, and **unified government**

200. **zpolicy1_selin2rev_unified**: triple interaction of **zpolicy1**, the reverse **Selin measure**, and **unified government**

201. **presparty2:** -1 if the president is a Democrat in a given year, 1 if the president is a Republican.

202. **Clintonlewis**: -1 if an agency is liberal under the Clinton & Lewis measure of agency ideology, 0 if it is moderate, 1 if it is Conservative.

Clinton and Lewis. Source: Clinton, J.D. and Lewis, D.E., 2008. Expert opinion, agency characteristics, and agency preferences. *Political Analysis*, pp.3-20. Data accessed from: https://my.vanderbilt.edu/davidlewis/data/, on 1/24/2017

203. **presparty2xclintonlewis**: interaction of the presparty2 and Clintonlewis meaures.

204. **Action_b**: indicator if the grant action taken is a continuation

205. **Action_c**: indicator if the grant action taken is a revision

206. **Fips**: federal FIPS code for a particular area

207. **Fips_num**: A unique numerical code used for each FIPS area created because the Fips code is treated as a string.

208. **FIPS_year**: the combination of the FIPs number and the year

209. **Corecounty1xcompstate** = **core county** interacted with **competitive state**. Source: Kriner, Douglas; Reeves, Andrew, 2016, "Replication Data for: Presidential Particularism and Divide-the-Dollar Politics", doi:10.7910/DVN/HQXKJ9, Harvard Dataverse, V1, UNF:6:Eb8+OvVykTaeXpiIUzxR5g==

    Accessed on 3/13/2017

210. **Corecounty1**: core counties that vote reliably for the president. Source: Kriner & Reeves (2015)

211. **Compstate**: competitive states where the losing presidential candidate has averaged at least 45% of the vote in the prior three elections. Source: Kriner and Reeves (2015)

212. **Corestate1**: core states that vote reliably with the president. Source: Kriner and Reeves (2015)

213. **Fips_state_county_code**: the FIPS code used for individual counties. Source: Kriner and Reeves (2015).

214. **Stab**: state postal abbreviation. Source: Kriner and Reeves (2015)

215. **Comploseravglast3**: the average percent of the vote for the losing candidate over the past three presidential elections. Source: Kriner and Reeves (2015).

216. **Stateincavglast3**: the incumbent party vote share in the state for the past three elections. Source: Kriner and Reeves (2015).

217. **Election year**: the election year for the data. Kriner and Reeves (2015).

218. **Leader**: whether the member of congress for a particular district was part of the leadership. Kriner and Reeves (2015).

219. **Cong_close**: whether the congressional race was within 5% points. Kriner and Reeves (2015).

220. **Any_chair**: if the member of congress for a particular district was a committee chair. Kriner and Reeves (2015).

221. **Any_rank**: if the member of congress for a particular district was the ranking member of a committee. Kriner and Reeves (2015).

222. **Sn_firstterm**: if the member of Congress for a particular district is in his or her first term. Kriner and Reeves (2015).

223. **Republican**: if the district is represented by a Republican. Kriner and Reeves (2015).

224. **Pcincomecd**: per capita income for a particular county. Kriner and Reeves (2015).

225. **lnnewpop**: county population. Kriner and Reeves (2015).

226. **Pctpoverty**: poverty rate for a particular county. Kriner and Reeves (2015).

227. **Corecounty1xcorestate**: core county interacted with core states. Kriner and Reeves (2015).

228. **Fips_year2**: same as Fips_year

229. **cong_district**: the congressional district that encompassed a plurality of each county. Kriner, D.L. and Reeves, A., 2015. *The Particularistic President: Executive Branch Politics and Political Inequality*. Cambridge University Press.

Data provided by Doug Kriner via email on 1/18/2017.

230. **State:** state associated with a congressional district

231. **state_district_congress**: identifier used as a link

232. **party_code**: 100 = Democrat, 200 = Republican.
Source: Poole, Lewis, and Rosenthal: http://voteview.com/dwnl.htm

233. **stdim**: 1st dimension coordinate.
Source: Poole, Lewis, and Rosenthal: http://voteview.com/dwnl.htm

234. **nddim**: 2nd dimension coordinate.
Source: Poole, Lewis, and Rosenthal: http://voteview.com/dwnl.htm

235. **stdimboot**: 1st dimension coordinate boostrapped standard error.
Source: Poole, Lewis, and Rosenthal: http://voteview.com/dwnl.htm

236. **nddimboot**: 2nd dimension coordinate bootstrapped standard error.
Source: Poole, Lewis, and Rosenthal: http://voteview.com/dwnl.htm

237. **cor**: correlation between 1st and 2nd dimension bootstrapped estimates.
Source: Poole, Lewis, and Rosenthal: http://voteview.com/dwnl.htm

238. **log_likli**: log likelihood.
Source: Poole, Lewis, and Rosenthal: http://voteview.com/dwnl.htm

239. **geo_mean**: geometric mean probability.
Source: Poole, Lewis, and Rosenthal: http://voteview.com/dwnl.htm

240. **house_app**: member of the House Appropriations Committee.
Sources: 97th – 102nd Congress: Garrison Nelson, Committees in the U.S. Congress, 1947-1992.

103rd – 113th Congress: Charles Stewart III and Jonathan Woon. Congressional Committee Assignments, 103rd to 114th Congresses, 1993—2017. http://web.mit.edu/17.251/www/data_page.html accessed: 1/19/2017.

241. **house_ways**: member of the House Ways and Means Committee.
Sources: 97th – 102nd Congress: Garrison Nelson, Committees in the U.S. Congress, 1947-1992.

103rd – 113th Congress: Charles Stewart III and Jonathan Woon. Congressional Committee Assignments, 103rd to 114th Congresses, 1993—2017. http://web.mit.edu/17.251/www/data_page.html accessed: 1/19/2017.

242. **house_majority**: member of the House majority party.

97th – 102nd Congress: Garrison Nelson, Committees in the U.S. Congress, 1947-1992.

103rd – 113th Congress: Charles Stewart III and Jonathan Woon. Congressional Committee Assignments, 103rd to 114th Congresses, 1993—2017. http://web.mit.edu/17.251/www/data_page.html accessed: 1/19/2017.

243. **pres_party**: member of the president's party.

Source: Poole, Lewis, and Rosenthal: http://voteview.com/dwnl.htm

244. **fips_state**: state based on the FIPS code

245. **state_abr**: two letter abbreviation for the state

246. **chair**: denotes if the member of congress for a district is a committee chair

247. **rank**: denotes if the member of congress for a district is the ranking member

248. **corestate1xelyear:** interaction between the core state (**corestate1**) (Kriner & Reeves 2015) and **election year** variables.

249. **Corecounty_electionyr**: interaction between core county and election year.

250. **compstatexelyear**: interaction between the competitive state variable (**compstate**) (Kriner & Reeves 2015) and **election year**.

251. **selin2_abszero_tv**: time-variant Selin dimension 2 measure, set so the lowest value is zero, and all others are positive.

252. **Zloyalty2_selin2abs_tv**: **zloyalty2** absolute zero measure interacted with **unweighted Selin's absolute value second measure**.

253. **Zmanage2_selin2abs_tv**: **zmanage2** absolute zero measure interacted with **unweighted Selin's absolute value second measure**.

254. **Zpolicy2_selin2abs_tv**: **zpolicy2** absolute zero measure interacted with **unweighted Selin's absolute value second measure**.

255. **Selinest2_tv _unified**: **Selin's unweighted absolute value second dimension measure**, interacted with **unified government.**

256. **Zloyalty2_selin2_tv _unified**: triple interaction between **zloyalty2 absolute zero**, **Selin's unweighted second measure,** and **unified government.**

257. **Zmanage2_selin2_tv _unified**: triple interaction **between zmanage2 absolute zero**, Selin's unweighted second measure, and unified government.

258. **Zpolicy2_selin2_tv _unified:** triple interaction between **zpolicy2 absolute zero**, **Selin's unweighted second measure**, and **unified government**.

259. **Zloyalty1_selin2abs_tv**: **zloyalty1** interacted with **unweighted Selin 2 measure**

260. **Zpolicy1_selin2_tv _unified**: triple interaction between **zpolicy1 absolute zero**, **Selin's unweighted second measure**, and **unified government**.

261. **Rev_selin_tv**: time-variant reverse Selin measure.

262. **zloyalty2_selin2rev_tv**: interaction of **zloyalty2** and the *time-variant* reverse **Selin measure**

263. **zmanage2_selin2rev_tv**: interaction of **zmanage2** and the *time-variant* reverse **Selin measure**

264. **zpolicy2_selin2rev_tv**: interaction of **zpolicy2** and the *time-variant* reverse **Selin measure**

265. **selinrev_tv_unified**: interaction of the *time-variant* reverse **Selin measure** the **unified government**

266. **zloyalty2_selin2rev_tv_unified**: interaction of **zloyalty2**, the *time-variant* reverse **Selin measure**, and **unified government**

267. **zmanage2_selin2rev_tv_unified**: interaction of the **zmanage2** measure, the *time-variant* reverse **Selin measure**, and **unified government**

268. **zpolicy2_selin2rev_tv_unified**: interaction of **zpolicy2**, the *time-variant* reverse **Selin measure,** and **unified government**

269. **zloyalty1_selin2rev_tv**: interaction of **zloyalty1** and the *time-variant* reverse **Selin measure**

270. **zloyalty1_selin2rev_tv_unified**: interaction of the **zloylalty1** measure, the *time-variant* reverse **Selin measure**, and **unified government**

271. **zmanage1_selin2rev_tv**: interaction of **zmanage1** and the *time-variant* reverse **Selin measure**

272. **zpolicy1_selin2rev_tv**: interaction of **zpolicy1** and the *time-variant* reverse **Selin measure**, and **unified government**

273. **zmanage1_selin2rev_tv_unified**: interaction of **zmanage1**, the *time-variant* reverse **Selin measure**, and **unified government**

274. **zpolicy1_selin2rev_tv_unified**: interaction of **zpolicy1**, the *time-variant* reverse **Selin measure**, and **unified government**

275. **Blockgrant_dum**: variable indicating whether a grant is a block grant.

276. **Formulagrant_dum**: variable indicating whether a grant is a formula grant.

277. **Projectgrant_dum**: variable indicating whether a grant is a project grant.

278. **MODEL_L2base**: residuals of MODEL_L2base

279. **Rev_selin_ti**: time-invariant reverse Selin measure

280. **Zloyalty2_selin2rev_ti**: **zloyalty2** measure interacted with the *time-invariant* reverse **Selin measure**

281. **Zmanage2_selin2rev_ti**: **zmanage2** measure interacted with the *time-invariant* reverse **Selin measure**

282. **Zpolicy2_selin2rev_ti**: **zpolicy2** measure interacted with the *time-invariant* reverse **Selin measure**

283. **selinrev_ti_unified**: reverse *time-invariant* **Selin measure** interacted with **unified government**.

284. **zloyalty2_selin2rev_ti_unified**: interaction of **zloyalty2**, the *time-invariant* reverse **Selin measure**, and **unified government**

285. **zmanage2_selin2rev_ti_unified**: interaction of **zmanage2**, the *time-invariant* reverse **Selin measure**, and **unified government**

286. **zpolicy2_selin2rev_ti_unified**: interaction of **zpolicy2**, the *time-invariant* reverse **Selin measure**, and **unified government**

287. **zloyalty1_selin2rev_ti**: interaction of **zloyalty1** and *time-invariant* reverse **Selin measure**.

288. **zloyalty1_selin2rev_ti_unified**: interaction of **zloyalty1**, time-invariant reverse **Selin measure**, and **unified government**

289. **zmanage1_selin2rev_ti**: interaction of **zmanage1**and time -invariant reverse **Selin measure**

290. **zpolicy1_selin2rev_ti**: interaction of **zpolicy1** and *time-invariant* reverse **Selin measure**

291. **zmanage1_selin2rev_ti_unified**: interaction of **zmanage1**, *time-invariant* reverse **Selin measure**, and **unified government**

292. **zpolicy1_selin2rev_ti_unified**: interaction of **zpolicy1**, *time-invariant* reverse **Selin measure**, and **unified government**

293. **agency_diff**:

294. **subagency_dum**: indicator if an agency is a subagency (1) or agency (0)

295. **MODEL1**: residuals for MODEL1

296. **MODEL2**: residuals for MODEL2

297. **Constant_fed_funds**: constant value of federal grant amount (**fedfunding**).

298. **MODEL1_1**: residuals for MODEL1_1

299. **MODEL1_3**: residuals for MODEL1_3

300. **MODEL2_2**: residuals for MODEL2_2

301. **MODEL3_2**: residuals for MODEL3_2

302. **302 – 401 year_qtr_1 through year_qtr_100**: dummy time variables by quarter/year.

402. **agency_packing2**: same as **agencypacking**

403. **ln_programtotal**: natural log of the total amount of money on a specific program

404. **total_agencybudget**: sum of the agency budget for grants in a year, summed from the data.

405. **ln_agencytotal**: natural log of **total_agencybudget**

406. **sameparty**: indicator if the agency is ideologically aligned with the president

407. **Diffparty**: indicator if the agency is ideologically opposed with the president

408. **grant_action_id**: identifier for grant actions.

409. **grantstart_count**: identifier for which period the grant started.

410. **grantaction_count**: identifier for which period the first action occurred.

411. **grantend_count**: identifier for which period the grant ends.

412. **grant_length**: difference between **grantend_count** and **grantstart_count**

413. **presparty2_unified**: interaction of **presparty2** and **unified**.

414. **clintonlewis_unified**: interaction of **clintonlewis** and **unified**.

415. **presparty2xclintonlewisxunified**: interaction of **presparty2**, **clintonlewis**, and **unified**

416. **zloyalty2_revselinrev_tv**: interaction of **zloyalty2** and *time-variant* reverse **Selin measure**.

417. **zloyalty2_selinrev_tv_unified**: interaction of **zloyalty2**, the *time-variant* reverse **Selin measure**, and **unified government**

418. **418 – 463: subagency_1 through subagency_45**: dummy variables for each subagency

463. **grant_total_abc**: total of grants for actions A, B, and C

464. **grant_total_a:** total of grants for Action A

465. **grant_total_bc**: total of grants for Actions B and C

466. **ln_alltypes_progamount**: natural log of all types of grants.
467. **ln_newgrant_progamount**: natural log of new grants
468. **ln_contrevis_progamount**: natural log of continuing or revised grants
469. **grant_total_proj**: sum of all type of grant types
470. **grant_total_block**: sum of block grants dollars
471. **grant_total_coop**: sum of cooperative agreements
472. **ln_project_progamount**: natural log of project grants
473. **ln_block_progamount**: natural log of block grants
474. **ln_coop_progamount**: natural log of cooperative agreements
475. **cont_rev**: indicator if the grant is a continuation or a revision
476. **grant_contrev_block**: sum of continuation and revisions for block grants.
477. **grant_contrev_coop**: sum of continuations and revisions of cooperative agreements.
478. **ln_contrev_block**: natural log of continuing and revisions for block grants
479. **ln_contrev_coop**: natural log of continuing and revisions for cooperative agreements.
480. **grant_new_proj**: sum of new project grants.
481. **ln_new_proj**: natural log of new project grants.
482. **grant_sub_abc**: total grants by subagency for new assistance, continuations, and revisions.
483. **grant_sub_a**: grants by subagency for new assistance
484. **grant_sub_bc**: grants by subagency for continuations and revisions
485. **ln_alltypes_subamount**: natural log by subagency of all types
486. **ln_newgrant_subamount**: natural log by subagency for new grants
487. **ln_contrevis_subamount**: natural log by subagency for continuing and revisions.
488. **grant_sub_proj**: sum of grants by subagency for project grants.
489. **grant_sub_block**: sum of project grants by subagency
490. **grant_sub_coop**: sum of cooperative agreements by subagency
491. **ln_project_subamount**: natural log of **grant_sub_proj**
492. **ln_block_subamount**: natural log of **grant_sub_block**
493. **ln_coop_subamount**: natural log of **grant_sub_coop**
494. **grant_new_proj_sub**: sum of new project grants by subagency
495. **grant_contrev_block_sub**: sum of continuing and revised block grants

496. **grant_contrev_coop_sub**: sum of continuing and revised cooperative agreements

497. **ln_new_proj_sub**: natural log of new project grants by subagency

498. **ln_contrev_block_sub**: natural log of continuing and revised block grants

499. **ln_contrev_coop_sub**: natural log of continuing and revised cooperative agreements

500. **match_recip_name**: name used to match recipient names

501. **recip_totalgrantamtyr**: constant-dollar value of cooperative agreements received by "partner" j from agency k in current FY

502. **ln_recip_totalgrantamtyr:** natural log of constant-dollar value of cooperative agreements received by "partner" j from agency k in current FY

503. **match_recip_name_id:** identifier created for each recipient.

504. **recip_year**: a combination of the identifier for each recipient combined with the fiscal year that the organization won a specific agreement.

505. **l1_recip_grantamt:** TOTAL constant-dollar value of cooperative agreements received by "partner" j from agency k in FY: T−1] – EXTENDS BACK TO 1987 DATA – pre-1988

506. **l2_recip_grantamt**: TOTAL constant-dollar value of cooperative agreements received by "partner" j from agency k in FY: T−2] – EXTENDS BACK TO 1986 DATA – pre-1988

507. **l3_recip_grantamt**: TOTAL constant-dollar value of cooperative agreements received by "partner" j from agency k in FY: T−3] – EXTENDS BACK TO 1985 DATA pre-1988

508. **l4_recip_grantamt**: TOTAL constant-dollar value of cooperative agreements received by "partner" j from agency k in FY: T−4] – EXTENDS BACK TO 1984 DATA FOR CA's pre-1988

509. **ln_l1_recip_grantamt**: Ln [TOTAL constant-dollar value of cooperative agreements received by "partner" j from agency k in FY: T−1] – EXTENDS BACK TO 1987 DATA – pre-1988

510. **ln_l2_recip_grantamt**: Ln [TOTAL constant-dollar value of cooperative agreements received by "partner" j from agency k in FY: T−2] – EXTENDS BACK TO 1986 DATA – pre-1988

511. **ln_l3_recip_grantamt**: Ln [TOTAL constant-dollar value of cooperative agreements received by "partner" j from agency k in FY: T−3] – EXTENDS BACK TO 1985 DATA pre-1988

512. **ln_l4_recip_grantamt**: Ln [TOTAL constant-dollar value of cooperative agreements received by "partner" j from agency k in FY: T−4] – EXTENDS BACK TO 1984 DATA FOR CA's pre-1988

513. **gov_recip**: dummy variable to indicate when the recipient of a cooperative agreement is a government entity.

514. **nonprofit_recip**: dummy variable to indicate when the recipient of a cooperative agreement is a nonprofit organization.

515. **private_recip**: dummy variable to indicate when the recipient of a cooperative agreement is a private company.

516. **Ln_fed_funding_1**: natural log of the constant adjusted federal funding amount for a cooperative agreement, plus 1 to account for zero values that are only present in the lagged variables.

517. **Tech_perc**: the number of technical employees in a given subagency over the number of employees in that agency, multiplied by 100.

518. **Action_a**: indicator variable for when a contract is a new assistance action.

519. **Action_d:** indicator variable for when an action is a funding adjustment to a completed project

520. **Pctagency_packing**: percent of agency that are appointed

521. **Pctperc_tech**: percent of agency that are technical employees relative to total employees

522. **Nongov_recip:** recipient is a non-government entity

523. **Fed_funding:** sum of the amount of federal funding for a contract

524. **Perc_prof:** percent of professional staff in a given subagency.

525. **Lgmedagencyportfolio**: indicator for large agency portfolios of cooperative agreements (between 22,575 and 61,960 CAs)

526. **Lgagencyportfolio:** indicator large and medium portfolios.

527. **Recess:** indicator if an appointment was made during a recess. Source: Krause/O'Connell agency code

528. **CEO:** indicator if an appointee had previous experience as a CEO. Source: Krause/O'Connell agency code

529. **Privmgt:** indicator if an appointment has private management experience. Source: Krause/O'Connell agency code